

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-307108  
 (43)Date of publication of application : 29.10.1992

(51)Int.Cl. F16C 32/00  
 F16C 17/02  
 F16C 17/04  
 F16C 32/04  
 F16C 39/06

(21)Application number : 03-099537  
 (22)Date of filing : 04.04.1991

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## (54) HYDRODYNAMIC BEARING UNIT

### (57)Abstract:

PURPOSE: To provide a hydrodynamic bearing unit that is capable of reducing the extent of torque at time of starting.

CONSTITUTION: In a hydrodynamic bearing unit which supports a rotator on a fulcrum shaft at the fixed body side via a radial hydrodynamic bearing 12 and two thrust hydrodynamic bearings 13, 14, a support member 20 of this rotator is formed with a magnetic substance, while a magnet 26 attracting this support member is installed at the rotator side, and the support member 20 of the rotator is attracted by magnetic force of the magnet 26, through which dead load of the rotator to be added to the thrust hydrodynamic bearing 14 and another force are all offset or reduced.

